HDC545 – HDMI Extender over Cat 5

User Manual

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HDMI Extender over Cat 5e/Cat 6 up to 30m

Thank you for purchasing this HDMI Extender. For optimum performance and safety, please read these instructions carefully before connecting or operating this product. Please keep this user manual for future reference

1. Introduction

Extend the distance of your HDTV, HDMI monitor or HDMI projector up to 30m at Full HD 1080p or up to 60m at Full HD 1080i. This HDMI extender uses two pieces of inexpensive Cat 5e or Cat 6 cable, making it simple and convenient to install in wall and ceiling cavities.

This HDMI extender is also conveniently host powered. This means neither the transmitter unit nor the receiver unit requires an external AC adapter. Simply connect and enjoy – no power to install and no setup or adjustments required.

2. Features

- Extend HDMI audio/video signals up to 30m (1080p) or 60m (1080i)
- Uses inexpensive Cat 5e or Cat 6 cable
- Requires two Cat 5e or Cat 6 cables
- Conveniently host powered - requires no external AC adapters
- Simply connect and enjoy - no setup or adjustments required
- Supports HDMI formats 1080p, 1080i, 720p, 576p, 576i, 480p and 480i
- Supports all current 3D formats
- Supports 24-bit deep colour
- Supports 7.1 surround sound in Dolby® TrueHD and DTS-HD
- Supports HDCP (High-bandwidth Digital Content Protection)
- Supports Full HD 1080p up to 30m
- Supports Full HD 1080i up to 60m
- Compact and lightweight design

3. Specifications

Maximum Cable Distance 1080p	30m using Cat 5e or Cat 6 cable
Maximum Cable Distance 1080i	60m using Cat 5e or Cat 6 cable
Input Video Signal	0.5-1.0 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Maximum Single Link Resolution	1920 x 1080
Vertical Frequency Range	50/60Hz
Video Amplifier Bandwidth	1.65Gbps/165MHz
Interlaced Resolutions (50 & 60Hz)	1080i, 576i, 480i
Progressive Resolutions (50 & 60Hz)	1080p, 720p, 576p,480p
Operating Temperature	0℃ to 70℃
Operating Humidity	10% to 85% RH (no condensation)
Storage Temperature	-10℃ to +80℃
Storage Humidity	5% to 90% RH (no condensation)
Power Supply	No power adapter required
Power Consumption (Max)	5W

Please Note:

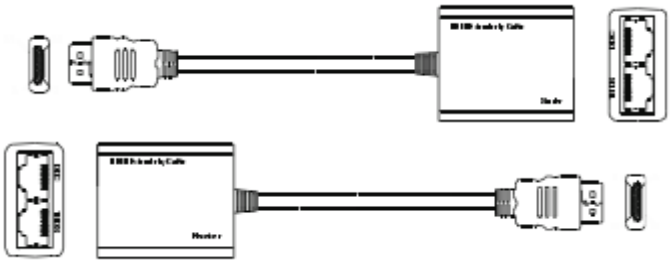
1. In order to achieve the maximum distance at the highest resolution, shielded Cat 5e or Cat 6 cable is recommended.

2. Very low quality cables may not achieve the highest resolution at the maximum distance.

4. Package Contents

- HDMI Extender Transmitter Unit (TX)
- HDMI Extender Receiver Unit (RX)
- User Manual

5. Panel Descriptions



6. Connection & Operation

1. Plug the fixed HDMI cable of the transmitter into the HDMI output of your source device such as set top box, media player, Blu-ray player, foxtel box, gaming console or computer.

2. Connect two Cat 5e or Cat 6 cables from the two RJ45 outputs of the transmitter to the two RJ45 inputs of the receiver.

3. Make sure to connect the DDC port on the transmitter to the DDC port on the receiver and the TMDS port on the transmitter to the TMDS port on the receiver.

4. Plug the fixed HDMI cable of the receiver into the HDMI port of your HDTV, monitor or projector.